












L3: (1) "5741735", PN.

L4: (2) "5834807".PN.

L5: (1) "6534817".PN.

L6: (1) "6534817".PN.

L7: (1) ("6214668").PN,
L8: (38803).F1-1-1

18: (38802) flash adj memory

L110: (4630) 8 add (flap, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838,

L11: (4035) 10 and [control] add gate)

L12: (983) 11 and (spacers81 or spacers31151 or

L13: (956) 12 and (source or drain)

L14: (572) 13 and photoresist and etch\$3

L15: (554) 14 and {dopant\$1 or doped or impla

U16: (507) 15 and (well or trench or junction

L17: (455) 16 and (flash.cfm, or memory.cfm.

118: (398) 17 and (contact or (source a
119: (398) 18 and (contact or (source a

| | | | | |
|------|-------|----|-----|-------------------------|
| 1301 | (358) | 18 | add | (etches3 or pattern\$3) |
| 1302 | (303) | 18 | add | (etches3 or pattern\$3) |

121: (241) 20 and (drain or siphon) all

Q 122: (G2) 21 and (3rd part of 4th part) not in

Failed

 Saved

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| 28. | USPAT US 4341,8 |
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Defect proximal { EA

Page 10

21 and ((second or another) near (photoresist or mask)).

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| U | I | P | R | P | Document ID | Issue Dat | Pages | Title | Current OR | Current XR | Retrieval | Inventor | S | C | S | A | P |
|----|---|---|---|---|----------------|-----------|-------|---|------------|------------|-----------|----------------------------|---|---|---|---|---|
| 23 | F | F | F | F | US 20010024857 | 20010927 | | Novel flash integrated circuit and its method | 438/259 | 438/257; | | Parat, Krishna et al. | F | F | F | F | F |
| 25 | F | F | F | F | US 20010022375 | 20010920 | | Method to fabricate a new structure with mult | 257/298 | 438/262; | | Hsieh, Chia-Ta et al. | F | F | F | F | F |
| 24 | F | F | F | F | US 20010012662 | 20010809 | | A new structure to fabricate solid-state w | 438/257 | 257/256; | | Hsieh, Chia-Ta et al. | F | F | F | F | F |
| 28 | F | F | F | F | US 20010001212 | 20010517 | | Flash memory structure using sidewall floating | 257/315 | 257/E21.20 | | Gambino, Jeffrey P. et al. | F | F | F | F | F |
| 26 | F | F | F | F | US 6720216 B2 | 20040413 | 31 | Method for forming a | 438/257 | 257/314; | | Forbes, Leonard | F | F | F | F | F |
| 27 | F | F | F | F | US 6716699 B2 | 20040406 | 13 | Method for manufacturing flash mem | 438/257 | 365/230.06 | | Cho, Min-soo et al. | F | F | F | F | F |
| 28 | F | F | F | F | US 6649471 B2 | 20031118 | 38 | Method of planarizing non-volatile memory dev | 438/257 | 438/265 | | Cho, Min-Soo et al. | F | F | F | F | F |
| 29 | F | F | F | F | US 6638821 B1 | 20031028 | 20 | Flash EEPROM with function of single bit | 438/257 | 438/697 | | Hsieh, Chia-Ta | F | F | F | F | F |
| 30 | F | F | F | F | US 6593187 B1 | 20030715 | 20 | Method to fabricate a square poly spacer in f | 438/257 | 438/278 | | Hsieh, Chia-Ta | F | F | F | F | F |
| 31 | F | F | F | F | US 6518123 B2 | 20030211 | 9 | Split gate field effect transistor (FET) device | 438/257 | 257/296; | | Lin, Boson | F | F | F | F | F |
| 32 | F | F | F | F | US 6461916 B1 | 20021008 | 114 | Non-volatile semiconductor memory an | 438/257 | 257/300; | | Adachi, Tetsuo et al. | F | F | F | F | F |
| 35 | F | F | F | F | US 6380035 | 20020430 | 16 | Poly tip formation and | 438/257 | 257/315; | | Sung, Hung-Cheng | F | F | F | F | F |
| 41 | | | | | | | | | 438/264 | 257/E21.68 | | | | | | | |